

# SEQUENCE LISTING

<110> Altar, Anthony C.  
Laeng, Pascal  
Young, Theresa A.  
Charles, Vinod  
Bukhman, Yury  
Jurata, Linda

<120> GENE SIGNATURE OF ELECTROSHOCK THERAPY AND METHODS OF USE

<130> 03235/100M087-US2

<150> US 60/411,718

<151> 2002-09-18

<150> US 60/431,882

<151> 2002-12-09

<150> US 60/479,970

<151> 2003-06-18

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 <212> DNA  
 <213> Rattus sp.

<220>  
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<210> 33  
 <211> 602  
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 <213> Rattus norvegicus

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 <212> DNA  
 <213> Rattus sp.

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<212> DNA  
<213> Rattus norvegicus

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5028

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 <213> Rattus norvegicus

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 <213> Rattus sp.

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 <213> Rattus sp.

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<211> 2619

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> (1)..(2619)

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 <213> Rattus norvegicus

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 <213> Rattus norvegicus

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<210> 79

<211> 1673

<212> DNA

<213> *Rattus norvegicus*

<400> 79

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 <213> Rattus norvegicus

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 <211> 1616  
 <212> DNA  
 <213> Rattus norvegicus

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 <211> 574  
 <212> DNA  
 <213> *Rattus norvegicus*

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 <213> Rattus norvegicus

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<210> 98  
 <211> 593  
 <212> DNA

<213> Rattus sp.

<400> 98

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<210> 99

<211> 281

<212> DNA

<213> Rattus sp.

<400> 99

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<210> 100

<211> 573

<212> DNA

<213> Rattus sp.

<400> 100

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573

<210> 101  
<211> 528  
<212> DNA  
<213> Rattus norvegicus

<400> 101  
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<212> DNA  
<213> Rattus norvegicus

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<210> 104  
 <211> 684  
 <212> DNA  
 <213> Rattus sp.

<400> 104	
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tcttttaciaa ggtatatggt ccctaacatc catgcagaaa atatcaggtc aagtgcctta	180
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caagaagtcc aacgagggcc ctttattacc accaaggggg ggaaggggta acttacaatc	360
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agtgtgtctg gatatttctgc ttgtctcagt gataacagtg cagctgaaca tgaggggctt	600
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<210> 105  
 <211> 3471  
 <212> DNA  
 <213> Rattus norvegicus

<400> 105	
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ccacatttcg atttggagga cagagactgc aagtatgact atgtggaagt gatcgtgga	420
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<210> 106

<211> 528

<212> DNA

<213> Rattus sp.

<220>

<221> misc\_feature

<222> (1)..(528)

<223> where n may be a or g or c or t/u, unknown, or other

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tagcctgcag tctggtcact cttgaggaca gcattttgct agctcagcca cccagccaca	180
actcagccgg gccaggaag cgaccacagc tcattgctat gggtcgttta cacaaccac	240
accagcatca attaacactt ttttctgtac ctgatgccac agtttaaaga aaaaacaaaa	300
caaaacaaaa caccaacaca cgactataca tcatcacagt tgggcagccc atgggtgagg	360
tttccacagc tactccacaa aggtacccat cctgcgtcag gagatccagc accttgccac	420
agactgcagc tcacaggtgc ctgtacactg aatattttgg tctaaaattt gacctttatg	480
ggatggggag agcnctcttt gttcttaaac ctggatatcc ttcaagtc	528

<210> 107  
 <211> 437  
 <212> DNA  
 <213> Rattus sp.

<400> 107  
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 cttgataaagc agttcaactc tttgggcaaa gtcactagct cttatccgaa ttagaataca 180  
 ggacacagaa taagtcaaga caatccatga cattttttatt gagccttttag tttatgaggt 240  
 aaaggaaaag cagctctctt gaatacttta catagctgta ggaaaatatt tgagacttaa 300  
 agggagttac agggggattat gtttctcaaa agttgagatc aagtaaaca gctttaaatt 360  
 gtttaaattt tccagttgat ctttccttac aatagtaaca agctcgaatt agccacatta 420  
 ggttttttatg tttgcag 437

<210> 108  
 <211> 385  
 <212> DNA  
 <213> Rattus sp.

<400> 108  
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 agggctgaca tctcgggtacc tgttccggtt tttgttctta ggaagtctcg ctattctgca 180  
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 atcgatctgc tcgaattcct tctccatttc catggcgggg cgggacgact gcccagagttc 300  
 cctcggccgt ccgccgcgct aggccgcgtc gctccgcgtc tcgaggcccg tcgcccgcga 360  
 cctcgtgccg cctcgtcctc gtgcc 385

<210> 109  
 <211> 646  
 <212> DNA  
 <213> Rattus sp.

<400> 109  
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 tacaagtata catttaacac aaggagataa aactgatag actgaagcct aactaatagt 180  
 actgtaacgt gtaccatttt gatgactaca ttatttttaa caacaaacta cactgaaaaa 240  
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 tgattgttta aaatttgaaa atggaagtga actcatttgg acagagtcag acgttaacat 360  
 aatctgagag gggaggacct ctgacccaaa tgacatcggt caggttaaca gaacaaaaca 420

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cgtcaatctt	ttctgcttcc	aaaattatcc	ttcgaaaaac	atccacagca	gtctgatttt	600
cttttgca	agattccaaa	aaagctgcat	tccaagattc	tgccaa		646

<210> 110  
 <211> 484  
 <212> DNA  
 <213> Rattus sp.

<400> 110		
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caagccacgg	gttggtggggc	agctgtagag aagagtgtaa ctgagtccag ccaaagcctc 180
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gaagggtgcca	gggacctggg	aatgtccact cttcagggcc tttgtgcttg gtcttcaaca 360
gggctgagct	gggtctgtgg	tcccatggga agtgtacacg ttcatgcctt gtgcacttct 420
gcatgagcag	cagggtgccag	gtgtctccat atgctgagct ggctgtgctt gcagcctcgt 480
gccg		484

<210> 111  
 <211> 711  
 <212> DNA  
 <213> Rattus norvegicus

<400> 111		
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accataactg	tcggcgtgta	cgaggcagcc aagctgtca acgtagaccc ggacaacgtg 180
gtcctgtgcc	tgctggctgc	ggatgaagat gacgaccggg acgtggctct gcagatccat 240
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cagtgggtgc	cagtgattaa	tctccccgaa cggtgattcc ccgaacgggtg atggcatctg 540
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cagtcactcc	ccacgctgat	gcaaggatta cagaaactga tgtcaagggg ctgagttcaa 660
ctacaggagg	gctaggagat	gactttgcag atggacagag aggtgaaaat a 711

<210> 112  
 <211> 608  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc\_feature  
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 <223> where n may be a or g or c or t/u, unknown, or other

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 taggtggtg ccaccgagg cgatgggaag ccactgtgag caggagacgg gtaggtagag 540  
 gagcccgagg aggagtaaga ggtgggcact ggggatggaa atgagggtgt ggcggnggat 600  
 gggttaga 608

<210> 113  
 <211> 539  
 <212> DNA  
 <213> Rattus norvegicus

<400> 113  
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 cccgtgggtc tctgaagggg accccccac taatcggact gccaaatttc accggtttgc 480  
 ccagggatat tatagaaaat tatttgtatg attgatgaaa ataaaacaca cctcgtggc 539

<210> 114  
 <211> 292  
 <212> DNA



<213> Rattus sp.

<400> 114

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aaaaggcctg	gtttttctca	atacaccttt	aacgggtttt	aaattgtttc	atatctgggc	180
aagttgagat	ttttaagaac	ttcattttta	atttgtaata	aagtttacia	cttgattttt	240
tcaaaaaagt	caacaaactg	caagcacctg	ttaataaagg	tcttaaataa	ta	292

<210> 115

<211> 2299

<212> DNA

<213> Rattus norvegicus

<400> 115

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gatagtgtga tcagttacta acagaagttt ttcagtctat taaatactct tctgtaatat	2160
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taaaaattaa gttaaaaaag	2299

<210> 116  
 <211> 1739  
 <212> DNA  
 <213> Rattus norvegicus

<400> 116	
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gctgagcact gagcggcgct cagaatggaa gccatcgcca aatatgactt caaagctact	180
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ctatataggc cttgttcccc taagctgtag ccagcctgta gaccaggctg gcctcacaga	480
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aaatcaattt aaatggcaaa tatatgttag attactggac ctctgtcctt gggttcagaat	660
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attattaaag	gtccatgcca	acacacatgt	cctgccttct	tttaaaaagt	aaattgtggg	1680
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<210> 117  
 <211> 2376  
 <212> DNA  
 <213> Rattus rattus

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agagttgtgg	tttaaagtct	acactatttt	acctaataaa	gaacttattg	ctgatgttca	2340
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<210> 118  
 <211> 623  
 <212> DNA  
 <213> Rattus sp.

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ttttctaaag catgttttaa ctttcattta gttcatacta aaaataagct ttaaatagct 180  
caaataatgt cattcagcag tttaaactga acagcttggt gggacatggc agcggtgtcc 240  
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tggtcagaag tgtttcactt aaaaagcaaa caatccccag gaaatactga ataggaacca 480  
acaacacaag accagcttgt gttgtaattt aaagtctcaa aaacaaaaca acatcccata 540  
caccacacga taactctcaa tcatggctaa tcaactgggt ggtctataaa acttataccc 600  
aacactgacg gccagcacca ctc 623

<210> 119  
<211> 365  
<212> DNA  
<213> Rattus norvegicus

<400> 119  
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aaaataactc atgtttacat catatttata gacaagctgt acaataaata cataaatgca 120  
ttcacagtct gtgcttcagt catcctcctc ctcctcttca tcgctgatca catacttctt 180  
atgcttttta ttggccttga catcgtcctc tgctttcctc ttcccagaag actcaccttc 240  
ctcgtcactg ttgagcttct ttgctttgag cagcctctga gctttgtctt cttccgagcc 300  
ctcgtcgctg tctgaggagt agattctggc ccgttcctcg cggatgcctc ctttgtagcg 360  
gtttt 365

<210> 120  
<211> 1095  
<212> DNA  
<213> Rattus norvegicus

<400> 120  
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ttaaattttg tgtgtagttg gatttttttg aagctgaagg tatccatctg cagacattga 180  
ggcccaagtt gaatttggat tcgagtggat tcttaacact tctgcctgtg ctgaagagaa 240  
gcttcataag gaacaagcaa gttgaataga gaagatagtg atcaataaga ggcatttagt 300  
ggctcttttta atgttttctg ctgcgaaaca tttcaagatt tattgatttt tttttttcat 360  
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aataaaatgt	ttaag					1095

<210> 121  
 <211> 516  
 <212> DNA  
 <213> Rattus sp.

<400> 121						
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gcttagtcac	actcaggtga	gggtgacagc	tcctcctgga	ttttgtttcc	atttattaaa	180
aaaaaaaaaga	aaagaaagaa	agaaaaagcc	acccccctcac	tcccagccca	ttcctcacag	240
ccagggtcag	aaagcagcat	cagtgaggcg	ggttcctcac	ctctggttat	ctctggccca	300
ggtcagcttg	agccacctgc	cctcaccagg	agaggggtttc	agttggcagt	taggcttggg	360
gaagtctcta	cctggacccc	ccagaggcct	gggagcacc	ccctcctccc	aggaaaggga	420
atgcagtgtc	tactgggctc	agaggggtgg	cctcaccac	ctgacatgag	tcctgattct	480
cccattctga	ggacggcagg	aagtttattg	caccag			516

<210> 122  
 <211> 484  
 <212> DNA  
 <213> Rattus sp.

<400> 122						
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acgatcattg	taaaaataca	gtacgttata	tacatatttg	caccatcgac	tttcaactca	180
gaaatactat	ttacacgttt	gttacaatcc	tggttagaga	acaatctttc	tttacgagtg	240

tggcctgacg gcaagtgggg attcaagcgg atgtccttgt tccatgaggg ccttcagtta	300
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atttaatttt ttcttttagca aaaggacagc ttttttctaa tatagaccag gctggctttg	420
aacctgtgat cctcctgccc ctcctcctga gtgccgggat gacaggcgca ctaccaagcc	480
tggc	484

<210> 123  
 <211> 278  
 <212> DNA  
 <213> Rattus norvegicus

<400> 123	
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gaccggagaa ctagcacacg ctttacagcc tgtgtgtccc ctgccttcct ctctcttctc	120
tcttaagaag tgcggagtgt ttttttttct tttttgcgga tttgcctaga ggtgccccag	180
gccccgctc ctagagaggg tgacctttct gtttctcctt ctccttgttc tccagagggg	240
caatgtgagg gtgatggagc cgggtccctt ctggtgcc	278

<210> 124  
 <211> 569  
 <212> DNA  
 <213> Rattus norvegicus

<400> 124	
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cacggaaata gtatacagag atatataaga accacaagga aaaaaaatc ccaagtcccg	180
taaggttgtt caaatatgaa aagagtaaaa tcttaacact ggagaacttg ctatggtgaa	240
cccaaaagat acaatataca aaagagtcaa ggaaaaaaaa aaggcgtagg tgcgaagtaa	300
gttttgattt ctttcttcca acatgctgta aatcgccttg gagagaccac ggaccagcc	360
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accgacaatg cctgcttaaa tgagctctga ctcacttcct catttccttt tttctgccag	480
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agggcacgat ggttaaaaaa atattttgt	569

<210> 125  
 <211> 486  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc\_feature  
 <222> (1)..(486)

<223> where n may be a or g or c or t/u, unknown, or other

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cacagtctgt acactaagaa cagtcctaag acggcatccg ctttctcctt cttcaatcag 180  
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cacaaaactg acatcagaga gtacaagggtt ctttaataca acaaaaaatt agtcttattt 300  
aaattaagag aaattcactt aaactaaaaa taatttattt gagctgagag ttttaaatac 360  
ctaacacatt ttttcagggg aatgttggtg ccatctctga gccagctttc cttcctccag 420  
actgtatctg tataagaata tataattttac ttatctctca gtcattttca gannacacgt 480  
atctct 486

<210> 126  
<211> 2452  
<212> DNA  
<213> Rattus norvegicus

<400> 126  
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cttctgagtc gagcagtga gatgaaagcg aggacgggga tgagaatgag gatgatgacg	2340
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<210> 127  
 <211> 320  
 <212> DNA  
 <213> Rattus sp.

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<210> 128  
<211> 2190  
<212> DNA  
<213> Rattus sp.

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 <212> DNA  
 <213> Rattus norvegicus

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 <213> Rattus sp.

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<211> 383

<212> DNA  
<213> Rattus sp.

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aagcaggatg gtaagcagcc tcagcatctg gtgatcagat cttcaggctt ggctatgggc 300  
aatattactt ctgctttgtc ttctgctggt atggtgatgg agtggcagtt ggggggcagg 360  
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<210> 132  
<211> 672  
<212> DNA  
<213> Rattus sp.

<220>  
<221> misc\_feature  
<222> (1)..(672)  
<223> where n may be a or g or c or t/u, unknown, or other

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tgccaatatt ggtggtgttt tcacccagcc cctaccagct gtccctttct atccctccta 240  
actggacatt attgagcttt ctccacgagt aatgctttcc cacacaaggc caccagctc 300  
aagaactttc cttccaggga cggttcagc caagtacctc aatgttaact attaaactaca 360  
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cacacgaggc ctccaccctg cagacttaca gaaggccggg atatggtttg tgctccttcn 600  
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tcatgccgaa tt 672

<210> 133  
<211> 367  
<212> DNA  
<213> Rattus sp.

<220>  
<221> misc\_feature  
<222> (1)..(367)

<223> where n may be a or g or c or t/u, unknown, or other

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ctaccgtcag ctaccacac acacaaacag cagcttttca atagagtctc ccaggcctcc 180  
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agtacataaa atatatttgt aaaattcttc cacgcacgat cctacaatgt ctctcctcgc 360  
aggatac 367

<210> 134  
<211> 2225  
<212> DNA  
<213> Rattus norvegicus

<400> 134  
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cttttctggt gtgtttggat attccatgtt tgttttggtg ggagaattgg gctccgatga 180  
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aaaaa	2225

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 <211> 467  
 <212> DNA  
 <213> Rattus sp.

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aaaaaagtta aagcatctgt tggcctcttt cccatcacag ggtacaacaa cctctttag	180
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<210> 136  
 <211> 822  
 <212> DNA



<213> Rattus norvegicus

<400> 136

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aaaatcatcc ggcgcctgga ccacgacaac atcgtcaaag tgtacgaggt actgggaccc	180
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acgaaagcca tcgatatgtg ggcagctggc tgcacccctag cggagatgct cacggggaaa	600
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gtagtgcggg aggaagacaa ggaggagctg ctcagggtga tgccgtcctt tgtcagcagc	720
acttgggagg tgaagaggcc actgctgaag ctactcccgg atgtcaaccg tgaagccatt	780
gactttctgg agaagatcct gacgttcagc cccatggacc gg	822

<210> 137

<211> 512

<212> DNA

<213> Rattus norvegicus

<400> 137

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tatttttatg tacacctttg attcttacat tacaacagaa gtcacatggt taaaaatacc	180
cactccttaa aacatagtc tttgtcaatat tttgtttaca gtacagatcc tgaagacaaa	240
cacttgacta tattaagatt tattagtctg aaaacagaat gtaggatatt ttgtatatac	300
cgtcggtata tactgaattc tggcagcaaa gtgtttatga gaaaatttca attttccctg	360
gtagtataat ataaaggcca atctacttct cacttggttac aactatattt aactgaatta	420
tggtttaaaa tcacaaagt ataaaatata aatacaaaat actaagaaaa gtttaacata	480
taaagagaaa gtgtcttatg tattgtaatt tt	512

<210> 138

<211> 451

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc\_feature

<222> (1)..(451)  
 <223> where n may be a or g or c or t/u, unknown, or other

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 aataattgcg ccctctttgt ctgcacaatg gttccttgac atctaacgat tacagagtga 120  
 acatctaaaa gtagatgggg gcttactccg gcttaggaca tggctctcttg tgtacactca 180  
 atatgcacac ccagtaacac agacatagac cagagagggt ggctcccagg gcctcctggg 240  
 ctcccagcac caatgggaaa accttgccca tacacagggt agttcctgac aactggagaa 300  
 cagagagatg caggccaggg ctccgcccc cccaccgcag ggccccgccc acctctggag 360  
 cagctccacc tttgttcacc ctggaaggca tctcttttga ttgcaaatac ttttaattcac 420  
 agaggggatg ggggtangggc tggggtggtg t 451

<210> 139  
 <211> 3208  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc\_feature  
 <222> (1)..(3208)  
 <223> where n may be a or g or c or t/u, unknown, or other

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 taattgttga tgttcaagaa gagaaagata cagatgctga agatggatct gaagttgatg 180  
 atgaaaggcc agcttggaac agtaagctgc aatacatcct ggcgcaagtt ggattttctg 240  
 taggtctggg gaatgtgtgg cggttcccat acctctgcca aaagaatggc ggtggtgcat 300  
 atcttttgcc atatttaata ctacttctgg tgataggaat tccactcttc ttcttggaac 360  
 tttctgtggg tcaaagaatt cggagaggca gcatcggggg ttggaattac ataagcccta 420  
 aactgggtgg gattggattc gcaagctgtg tagtgtgcta ttttgtggct ctctactaca 480  
 atgtcatcat tggctggaca ttgttttact tttctcagtc ttttcaacaa cctctccctt 540  
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 ctgaaagtgg gggcttaaac tggaagatga ctggctgcct gctggctgcc tgggtcatgg 720  
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cgttttccag ttacaacaag agagacaaca actgccactt cgacgctgtc ctcgtgtctt	1020
ttatcaactt tttcacttca gtcctggcaa cactggtggt gttcgcagtt ctggggttca	1080
aagccaatat cgtaaatgaa aagtgcattt cacaaaattc tgagatgac ttgaaacttt	1140
tgaaaacggg aaacgtagt tgggatgtca ttccccgtca catcaacctt tcagctgtca	1200
ctgcggaaga ttatcatgta gtttacgaca tcattcaaaa agtgaaggag gaggagttt	1260
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ataatgcatg gatcaaggag aaggcatccg aagaatttct gagctacccg atgtggggga	1860
tgggtggtctg tttctctctg atgggtgctg ctatacttcc tgtcccagtc gttttcgtca	1920
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gaggaagagt cctgaaagaa cccgtgaact tagacggaga tgatgcaagc ctcattcacg	2040
gaaagatacc aagtgaaatg tcgtctccaa attttggtta aaatatctat cgaaaacaga	2100
gtggttctcc gaccctggac actgctccca atggacgcta tgggattggg tatttgatgg	2160
cagatatgcc agatatgcc gagtctgact tgtagctgag tgaaagcaaa gggttgagct	2220
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tccagtatta ccatgaacag ttgtgtgtga gcgggtgctt ctcagcacat tgccatgagt	2640
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tgccatata ttttgtgtaa aatagggtgtg tgcaaatgat tgaagggact ctcgagaatt	2880
atgcagactg catttttctt atgccgtgtg cctaataaac ctacttaata tttattgtgg	2940
ttttgagatc acttatagta tattttatata atatacttgc aatgtataga gatgcgcatc	3000
aggactctta agtgctgggt tgaaaacttg aagcaagata gcatctgatt tcatatgttt	3060
ctgttttgct tcattttatg caaatacgaa ttcttttttt taagtgattg ttaaaactgt	3120
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aaaaaaaaaa aaaaaaaaaa aggaattc	3208

<210> 140  
 <211> 436  
 <212> DNA  
 <213> Rattus norvegicus

<400> 140	
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caatttctgg aacagagcac aagggtattac actgagttag agcatctcca atgcttctgt	180
caacacgctt ccatctcagc gctgcagagc tggaggagag ttggtatggt agcgaggtag	240
gaagagttag gtggtagtga ggcagctggg tgactataag acagaatcaa cgggccctct	300
ggagtactga gctcgttcta tacattgggtc atacataatt gcatgaatcg gcacacatga	360
taaaatagca cgaagccaca tacatactgt tccaattaac aagtccttgc ttttgatatg	420
ttacaccata tgttct	436

<210> 141  
 <211> 636  
 <212> DNA  
 <213> Rattus sp.

<220>  
 <221> misc\_feature  
 <222> (1)..(636)  
 <223> where n may be a or g or c or t/u, unknown, or other

<400> 141	
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acaacaggca tgtcactgaa atactaggat tttttttttc aatacgatca gtagaaata	180
cacacaaatt acttaaagaa agaagaggag gaagagggga agagaaagag aaagagaaag	240
agaaagagaa gaagaggcca gacaggagct cagccacttg tccaagagca gctgggtccc	300
ccaacaggc tcaaccgctg aggggcctga cgtagctat cagcccctga cctgctcaga	360
caacacacgg ttgtacaaca tgggtctagt accggcaaaa ggaagaagcc accccacaga	420

cacacatata cacaaagctg attgatactg gattttacaag cacatcccgt cacacggcaa	480
gaccaagaca gatcggggta ggggtgagaa gacaccaana cacaggaatt tcaaaggcca	540
aacacctgtc cataaaggga ggcgaggac gagaaatgcc gtgggagaag gggagaagga	600
tgaacagatc tctgtagcca aaacagaaca gagtgg	636

<210> 142  
 <211> 437  
 <212> DNA  
 <213> Rattus sp.

<400> 142	
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aggttttcag aattacagt tctggaattt tagtgcttaa aaaaaaaaaa catatttttag	180
gaggaataag gaactggtag aacaaggaaa tggcttaact aatctgagtt aagagcacct	240
ctgagggcca catggtctgt aatcacagct ccagaggctg aaaaacagga gatctacagt	300
ttaaggtcag ccatggctag gctgaatctg ttgtctgttt aaagagcacc aagaaattcc	360
ctggtcaaac gagagcttct ggtgaaagac taaaggaatg gcagtaagga catagaagtg	420
gctccttgcc tcgtgcc	437

<210> 143  
 <211> 592  
 <212> DNA  
 <213> Rattus sp.

<400> 143	
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cgaatcgaca gtgatggaga cggccttggt actactgagg agctgaaagt ttggatcaaa	180
cgggtacaga aaagatacat ctacgataat gtggctaaag tctggaagga ttatgatagg	240
gacaaagacg aaaagatctc ctgggaagaa tacaagcagg ccacctatgg ctactacctg	300
ggaaaccctg ctgaattcca agatagctct gatcatcaca cttttaaaaa gatgctgcca	360
cgggatgaga ggaggtttaa ggcttcagac ctcgatggcg acctgacagc tactcgggag	420
gagttcactg cttttctgca cccagaggag tttgaacata tgaaggagat ttagttctg	480
gaaaccctgg aggatatcga caagaacggg gatggttttg tggaccagga tgagtacatt	540
gcggacatgt tttctcacga ggacaatggc cctgagccag actgggtttt gt	592

<210> 144  
 <211> 3027  
 <212> DNA  
 <213> Rattus norvegicus

<400> 144  
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aggggtatat tcgagttgca aaatggcggc cccgagcgct ctcttcagcg ttcagtagca 120  
gcttcaggct gagcggatgt ctcttctcct cagtttcgga ctcagagaca cgcggtcccc 180  
tactcctgct gatcacgaag tccttgaagg cgctcaacgc accggaatct cccagcggcc 240  
gcgaccgccg cctcggccct gctctccgcg gcgccggaac tcagcgtgat ctgcggcggc 300  
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tcatgaagaa cagagccgtg aagaaggcaa agcgtaggaa tattggcttt gaatctgata 480  
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gccaaataat cttttcagtg tgtcgaagct gttctccctt cctaagaact aagcaaaata 1920

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aaaaaaaaaa	aaaaaaaaaa	aaaaaaa				3027

<210> 145  
 <211> 535  
 <212> DNA  
 <213> *Rattus norvegicus*

<400> 145						
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gttcggagga	catggggact	acagtcaatg	gagatgtgtt	tcaggaggct	aacgggcctg	180
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gcaagtggag	agaggagcag	aagaaaaggc	tgaggaggtt	ggatgctgcc	tcgaagggtga	300
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<210> 146  
 <211> 2046  
 <212> DNA  
 <213> Rattus norvegicus

<400> 146  
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 gcgcagctgc tgccatggcg cagaccctgc agatggagat tccaaacttt ggcaacagca 180  
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 gactgagtt cttcctcaaa gttagctctc caagttgcga ctcccagggc ctgcacccgg 540  
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 gtagcacgcc actgcccctt gtgtcacggg tcaagacaga acaggagttg gactcggtgc 660  
 aatgcacacc catggccaag aggctatggg atagcagcca gaaggaagct ggaggcagtg 720  
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 aggagggcac agatgagcag taccgtcaga tctgcaatat gtataccatg tacagtatgt 1020  
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 agcttgtgac aggcaccaat gtatacatca caagggcaca actcatgaac tgccacgtca 1260  
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 acacactggc caatagctgt ggcaccggca tccgttcttc caccaatgac cctagacgca 1380  
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 gcttcgagac agccagccac gatggcgagg ctggcccttc agctgagggt ctccagtaac 1680  
 atacatgtga caccctta ccggatgtca cattccccct cctatcacac cccacctac 1740



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gcagtgccga cagcagcttt ctcaatgacc atgaggaaga gctgaacttg gtaggcatag	1920
aatacagctt ccacacagac agccccctca gcagagggtcc tccagtacct gcccaaggacc	1980
ctcccatgga tgtcacactc ccctcctgtc acacacatac cccacacctta gtcacgagct	2040
actgtg	2046

<210> 147  
 <211> 312  
 <212> DNA  
 <213> Rattus norvegicus

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tccagctgcc catctcatac caaactacaa ggaacatgta aaccagataa gcccaactgt	240
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<210> 148  
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 <212> DNA  
 <213> Rattus rattus

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 <212> DNA  
 <213> Rattus norvegicus

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tta

543

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 <212> DNA  
 <213> Rattus sp.

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 aactcgttag cccaacacag gcgtgcttta aggaaagatt aacaaaaaaaa 410

<210> 151  
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 <212> DNA  
 <213> Rattus norvegicus

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 <212> DNA  
 <213> Rattus norvegicus

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